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(54) **SUPPORTING COVERAGE AREA MODELING**

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(57) **ABSTRACT**

A system obtains information on positions stored for a communication node and criteria that are met by the node. The system selects a-priori information on a coverage area size that is stored for nodes meeting the criteria. Different a-priori information is stored for nodes meeting different criteria. The system estimates a value of at least one parameter representing a coverage area of the node based on the information on the positions and the selected a-priori information. The value of the at least one parameter is stored. For generating the a-priori information, the system may extract from a memory information indicating a size of a coverage area for each of a plurality of communication nodes, compute a statistical value based on information indicating a size of a coverage area that is extracted for a plurality of nodes meeting the same criteria, and provide the computed statistical value as a-priori information.

Obtain information on at least one position stored for a communication node and at least one criterion that is met by the communication node ⌐111

Select a-priori information on a coverage area size that is stored for communication nodes meeting the at least one criterion, wherein different a-priori information is stored for communication nodes meeting different criteria ⌐112

Estimate a value of at least one parameter representing a coverage area of the communication node based on the obtained information on the at least one position and the selected a-priori information ⌐113

Cause a storage of the value of the at least one parameter representing the coverage area of the communication node ⌐114